

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-37 6-16 7-8 7-12 8-9 9-10 10-11 10-43
11-12 13-14 13-18 13-39 14-15 15-16 16-17 17-18 19-20 19-24 20-21 20-34
21-22 21-38 22-23 22-25 23-24 25-26 25-30 26-27 27-28 28-29 28-44 29-30
31-32 31-36 31-40 32-33 33-34 34-35 35-36 37-41 37-42 38-41 38-42 39-40
43-44

exact/norm bonds :

4-7 5-37 6-16 10-43 13-39 20-34 21-38 22-25 28-44 31-40 37-41 37-42
38-41 38-42 39-40 43-44

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18 19-20 19-24 20-21 21-22 22-23 23-24 25-26 25-30
26-27 27-28 28-29 29-30 31-32 31-36 32-33 33-34 34-35 35-36

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom

=> d his

(FILE 'HOME' ENTERED AT 12:42:48 ON 30 MAR 2008)

FILE 'REGISTRY' ENTERED AT 12:43:04 ON 30 MAR 2008

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:43:33 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4688 TO ITERATE

42.7% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 89654 TO 97866
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 12:43:40 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 93556 TO ITERATE

100.0% PROCESSED 93556 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> fil caplus

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FULL ESTIMATED COST	179.28	179.49

FILE 'CAPLUS' ENTERED AT 12:44:58 ON 30 MAR 2008

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FILE LAST UPDATED: 28 Mar 2008 (20080328/ED)

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=> s cyclophane#
L4 4837 CYCLOPHANE#

=> s l4 and diamines
29064 DIAMINES
L5 25 L4 AND DIAMINES

=> s l5 and complex
1400406 COMPLEX
L6 5 L5 AND COMPLEX

=> d 1-5 bib aabs
'AABS' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB
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CBIB ----- AN, plus Compressed Bibliographic Data
CLASS ----- IPC, NCL, ECLA, FTERM
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
SCAN must be entered on the same line as the DISPLAY,
e.g., D SCAN or DISPLAY SCAN)
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IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

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HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and

its structure diagram
HITSEQ ----- HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
KWIC ----- Hit term plus 20 words on either side
OCC ----- Number of occurrence of hit term and field in which it occurs

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specification.

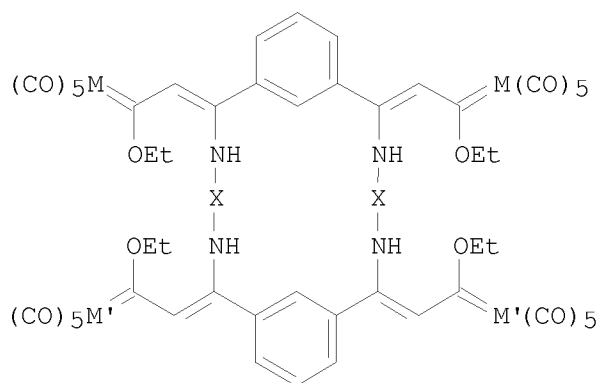
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to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

=> d 1-5 bib abs

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:1079231 CAPLUS
DN 146:27919
TI Structure-Activity Relationships for Cytotoxic Ruthenium(II) Arene
Complexes Containing N,N-, N,O-, and O,O-Chelating Ligands
AU Habtemariam, Abraha; Melchart, Michael; Fernandez, Rafael; Parsons, Simon;
Oswald, Iain D. H.; Parkin, Andrew; Fabbiani, Francesca P. A.; Davidson,
James E.; Dawson, Alice; Aird, Rhona E.; Jodrell, Duncan I.; Sadler, Peter
J.
CS School of Chemistry, University of Edinburgh, Edinburgh, EH9 3JJ, UK
SO Journal of Medicinal Chemistry (2006), 49(23), 6858-6868
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
OS CASREACT 146:27919
AB Ruthenium arene complexes containing bidentate diamine, amino acid and
diketonate chelate ligands were prepared by a variety of appropriate
procedures and examined for cytostatic activity against human cancer cells.
Organometallic Ru(II) complexes $[(\eta^6\text{-arene})\text{Ru}(\text{XY})\text{Cl}]Z$, where XY is an
N,N- (diamine), N,O- (e.g., amino acidate), or O,O- (e.g.,
 β -diketonate) chelating ligand, the arene ranges from benzene derivs.
to fused polycyclic hydrocarbons, and Z is usually PF₆, were prepared by
direct or reduction-assisted complexation of arenes, substitution of
cycloalkadiene or arene ligands with subsequent complexation of bidentate
XY-ligands. The x-ray structures of 13 complexes are reported. All have
the characteristic "piano-stool" geometry. The structure-activity
relationships was evaluated for cytotoxicity of the prepared complexes
against human cancer cells. The complexes most active toward A2780 human
ovarian cancer cells contained XY = ethylenediamine (en) and extended
polycyclic arenes. Complexes with polar substituents on the arene or XY =
bipyridyl derivs. exhibited reduced activity. The activity of the
O,O-chelated complexes depended strongly on the substituents and on the
arene. For arene = p-cymene, XY = amino acidate complexes were inactive.
Complexes were not cross-resistant with cisplatin, and cross-resistance to
Adriamycin was circumvented by replacing XY = en with 1,2-
phenylenediamine. Some complexes were also active against colon,
pancreatic, and lung cancer cells.

RE.CNT 88 THERE ARE 88 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2003:213301 CAPLUS
DN 138:368989
TI Synthesis and Electrochemical Properties of Novel Tetrametallic
Macrocyclic Fischer Carbene Complexes
AU Fernandez, Israel; Mancheno, Maria Jose; Gomez-Gallego, Mar; Sierra,
Miguel A.
CS Departamento de Quimica Organica, Facultad de Quimica, Universidad
Complutense de Madrid, Madrid, 28040, Spain
SO Organic Letters (2003), 5(8), 1237-1240
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
OS CASREACT 138:368989
GI



AB Metallomacrocyclic compds. [I; wherein M, M', independently = Cr, W; X =
-C6H4-, -(C6H4)2-] can be easily prepared by 1,4-addition of diamines
to α,β -unsatd. Fischer bis-carbene templates. This method
allows the preparation of a new family of homo- and heterotetrametallic compds.
having macrocyclic cyclophanic structures.

RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2001:680382 CAPLUS
DN 136:6093
TI Synthesis of Cyclophanic Chromium(0) Bis(carbene) Complexes
AU Fernandez, Israel; Sierra, Miguel A.; Mancheno, Maria Jose; Gomez-Gallego,
Mar; Ricart, Susagna
CS Departamento de Quimica Organica Facultad de Quimica, Universidad
Complutense, Madrid, 28040, Spain
SO Organometallics (2001), 20(21), 4304-4306
CODEN: ORGND7; ISSN: 0276-7333
PB American Chemical Society
DT Journal
LA English
OS CASREACT 136:6093

AB Double Michael addition of 1,4- and 1,3-xylylenediamines and 1,5-diaminopentane to the bimetallic α,β -unsatd. alkoxychromium(0) carbene complex $m\text{-C}_6\text{H}_4[\text{C.tplbond.CC(OEt):Cr(CO)}_5]_2$ 4 produces in good to excellent yields the corresponding cyclophane bimetallic complexes as single isomers. In contrast, the reaction with 1,4-diaminobutane produces a different cyclophane complex, derived from a 1,2- + 1,4-addition process.

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1988:131780 CAPLUS
DN 108:131780
TI Polyaza-macrocycles of cyclophane type: synthesis, structure of a chloroform inclusion complex and anion binding
AU Jazwinski, Jaroslaw; Lehn, Jean Marie; Meric, Robert; Vigneron, Jean Pierre; Cesario, Michele; Guilhem, J.; Pascard, Claudine
CS Inst. Bel, Univ. Louis Pasteur, Strasbourg, Fed. Rep. Ger.
SO Tetrahedron Letters (1987), 28(30), 3489-92
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 108:131780
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Cyclocondensation of 4-HCOC₆H₄CH₂C₆H₄CHO-4 with diamines, e.g., H₂NCH₂CH₂NH₂, (H₂NCH₂CH₂)₂X (X = O, NSO₂C₆H₄Me-4) gave 65-85% I and II, resp. I gave a CHCl₃ inclusion complex, the crystal structure of which was determined Reduction of I by LiAlH₄ gave tetramine III, which binds dicarboxylate substrates.

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1984:434686 CAPLUS
DN 101:34686
OREF 101:5369a,5372a
TI Cyclophane porphyrins and their metal complexes. Biomimetic study on receptor site of hemoprotein oxygen binding
AU Ogoshi, Hisanobu; Sugimoto, Hiroshi; Miyake, Masao; Yoshida, Zenichi
CS Fac. Eng., Kyoto Univ., Kyoto, 606, Japan
SO Tetrahedron (1984), 40(3), 579-92
CODEN: TETRAB; ISSN: 0040-4020
DT Journal
LA English
AB A new sym. porphyrin, 7,8,17,18-tetraethyl-3,13-dimethylporphyrin-2,12-dipropionic acid, and its derivs. were synthesized by the a,c-biladiene route. Condensation of the dipropionic acid with diamine, [H₂N(CH₂)_nNH₂, n = 6, 7, 8, 9, 10, 12, and 14], afforded the corresponding cyclophane porphyrins. The bridged groups were characterized by the 1H NMR spectra of their Zn complexes. The spin state of the Fe³⁺ complexes of the cyclophane porphyrins was investigated by changing the size of the bridged chain or size of axial ligand. The cyclophane-porphyrinato(III) perchlorate complexes in a mixture of MeOH and CHCl₃ with 4-benzylpyridine provide a model for methemoproteins. Steric constraint between and axial ligand and the bridge group, [CH₂CH₂CONH(CH₂)_nNHCOCH₂CH₂] at the bridged face detcs. the ratio of the

penta- and hexa-coordinated ferric complexes. The rate of O-binding to the Co²⁺ cyclophane porphyrins is markedly dependent on the size of the bridge chain. Removal of a solvent mol. or 6th axial ligand from the near proximity of the Co²⁺ complex apparently increases the rate of O binding.

=>

---Logging off of STN---

=>

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=> LOG Y

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